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DEVELOP NEW AGRICULTURAL MACHINERY;
MAKE PLOWSHARES, CULTIVATORS

INSTITUTE DEVELOPS NEW FARM MACHINES -- Moscow, Moskovskaya Pravda, 27 Mar 51

The All-Union Scientific Research Institute of Agricultural Machine Building has developed a method of welding a new spring steel blade to worn-out plowshares. Plows ordinarily use up three or four sets of shares per season. Shares were formerly restored by hammering them out in the forge shop, but had to be discarded after two or three such restorations. The new method of restoring shares will be introduced on MTS in Moscow Oblast, and 100 welders will be trained to do the necessary welding.

The institute has constructed a model of a new mobile universal electric drive for various stationary agricultural machines. The first of these machines should be produced in April.

Candidate of Technical Sciences E. A. Kolyasin and Senior Engineer I. I. Kurnikov recently completed a design for an improved orchard and garden tractor.

The institute has designed and made ready for production a sprayer-duster for combating crop pests and for artificial removal of cotton leaves. The scientists of the institute are now working on more powerful models of the sprayer-duster.

WORK THREE SHIFTS TO FILL ORDER FOR PLOWSHARES -- Riga, Sovetskaya Latvija, 18 Apr 51

The Riga Terauds Agricultural Machinery Plant has received an order, to be filled by 1 May, for 20,000 No 14 plowshares. To fill this order, production was put on a three-shift basis. Eight thousand plowshares have already been shipped out.

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TOOL PLANT MAKES FARM MACHINERY -- Vil'nyus, Sovetskaya Litva, 5 Jul 51

The Prekalas Tool Plant, Ministry of Local Industry Lithuanian SSR, has made 31,000 shares for tractor and horse plows, about 6,000 moldboards, and large quantities of other farm-machinery parts above the plan for the first half of 1951. The plant has saved 10 tons of plowshare steel, 20 tons of coal, and 15,000 rubles' worth of electric power.

HOLD ALL-UNION CONFERENCE TO IMPROVE FLAX-PROCESSING MACHINES -- Minsk, Sovetskaya Belorussiya, 15 May 51

An all-Union technical conference on the improvement of flax-swingling and tow-preparing machines has ended at the Gomel' Agricultural Machine Building Plant imeni Kaganovich.

Kotyubanov, chief of the Design Bureau of the Gomel' Plant; Antoshchenko, chief of the Technical Control Division of the Gomel' Plant, and Kondrashuk, Stalin Prize winner and designer of a flax-swingling machine, gave reports. Gagurin, a machinist of Kalinin Oblast who turned out 111 tons of clean fiber last season with a flax-swingling machine rated at 30 tons per season, described the improvements he had made on the machine.

Volkov, Stalin Prize winner and designer of a tow-preparing machine; Petukhov, chief of the Division for Initial Processing of Flax, Ministry of Agriculture USSR; and Sergeyev, associate of the Kalinin Oblast Administration of Agriculture, also took part in the discussion.

The conferees visited the Gomel' Plant and studied the manufacture of flax-swingling and tow-preparing machines. Concrete measures for improving flax-processing machines were formulated at the conference.

PRODUCES BALL MILLS, HARROWS -- Kishinev, Sovetskaya Moldaviya, 31 Mar 51

The Bel'tsy Machinery Plant has shipped the first consignment of ShM-850 ball mills, which it started to produce in March. The new harrow shop has begun the series production of zig-zag harrows, and 1,113 harrows have already been shipped to the rayons.

TARTU PLANT MAKES HORSE CULTIVATOR -- Tallin, Sovetskaya Estoniya, 7 Apr 51

The Tartu Vyty Plant has put out the first model of a new horse-drawn cultivator. The shops are making the parts necessary for mass production, and plant workers have promised to put out 200 cultivators by 1 May.

MAKE TRENCH DIGGER FOR WEEVIL CONTROL -- Kiev, Pravda Ukrainy, 24 May 51

The Stalino Agricultural Machine Building Plant has begun producing milling trench diggers which are used on sugar-beet plantations to combat weevils.

DEVELOP UNIVERSAL MACHINE FOR VINEYARDS -- Moscow, Izvestiya, 30 Jun 51

The Stalino Agricultural Machine Building Plant has constructed an experimental model of a machine for viticulture, which performs 16 different operations, plowing, between-row cultivation, etc., and is preparing to series produce the machine.

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PRODUCES IMPROVED CULTIVATORS -- Leningradskaya Pravda, 30 Jun 51

The Vyborg Agricultural Machinery Plant has completed the first consignment of improved MKO-3 marker-cultivator-hillers for kolkhozes of Leningrad Oblast. The plant has already produced 200 of these machines and will make 300 more this year.

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